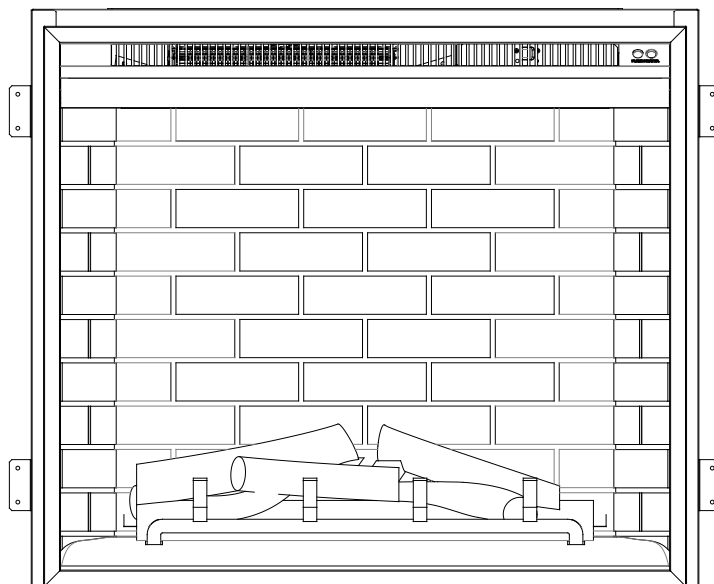


Model(s):
SF-BI30-E,
SF-BI36-E



NOTICE



DO NOT DISCARD THIS MANUAL

- Important operating and maintenance instructions included.
- Read, understand and follow these instructions for safe installation and operation.
- Leave this manual with party responsible for use and operation.

**DO NOT
DISCARD**

READ CAREFULLY BEFORE ATTEMPTING TO ASSEMBLE, INSTALL, OPERATE, OR MAINTAIN THIS PRODUCT.

PROTECT YOURSELF AND OTHERS BY OBSERVING ALL SAFETY INFORMATION. FAILURE TO COMPLY WITH INSTRUCTIONS COULD RESULT IN PERSONAL INJURY AND/OR PROPERTY DAMAGE.

⚠ WARNING: To reduce risk of fire, electrical shock, or personal injury, read all instructions before using heater.

**INSTALLER: DO NOT DISCARD THIS MANUAL -
LEAVE FOR HOMEOWNER - SAVE THESE INSTRUCTIONS**

1 IMPORTANT INSTRUCTIONS

IMPORTANT SAFETY INSTRUCTIONS

WARNING! Risk of Fire! Risk of Burns! Risk of Electrical Shock!

DO NOT:

- Install or operate damaged heater
- Modify heater
- Operate the heater without fully assembling all components

The following actions are strictly prohibited.

- Installation other than as instructed by Hearth & Home Technologies Inc.
- Installation and/or use of any component part not approved by Hearth & Home Technologies Inc.

Hearth & Home Technologies Inc. disclaims any responsibility for, and the warranty and agency listing will be voided by the above actions.

When using electrical appliances, basic precautions should always be followed to reduce the risk of fire, electric shock, and injury to persons, including the following:

- Read all instructions before installing this heater.
- This heater is hot when in use. To avoid burns, do not let bare skin touch hot surfaces. Keep combustible materials such as furniture, pillows, bedding, papers, clothes, etc. and curtains at least 3 ft. (0.9 m) from the front of the heater and keep them away from the sides and rear
- Extreme caution is necessary when any heater is used by or near children or invalids and whenever the heater is left operating and unattended.
- Do not operate any heater after it malfunctions. Disconnect power at service panel and have heater inspected by a reputable electrician before reusing.
- Do not insert or allow foreign objects to enter any ventilation or exhaust opening as this may cause an electric shock or fire, or damage the heater.
- To prevent a possible fire, do not block heater connection fan air intakes or exhaust in any manner.
- A heater has hot and arcing or sparking parts inside. Do not use it in areas where gasoline, paint, or flammable vapors or liquids are used or stored.
- Use this heater only as described in this manual. Any other use not recommended by the manufacturer may cause fire, electric shock, or injury to persons.
- Do not operate any heater with a damaged cord or plug or after the heater malfunctions, has been dropped or damaged in any manner. Return heater to authorized service facility for examination, electrical or mechanical adjustment or repair.
- Do not use outdoors.
- The heater is not intended for use in bathrooms, laundry areas and similar indoor locations. Never locate heater where it may fall into a bathtub or water container.
- Do not run cord under carpeting. Do not cover cord with throw rugs, runners, or the like. Arrange cord away from traffic areas and where it will not be tripped over. Do not coil cord.
- Do not insert or allow foreign objects to enter any ventilation or exhaust opening as this may cause an electrical shock or fire, or damage the heater.
- To prevent a possible fire, do not block air intakes or exhaust in any manner.
- Always use properly grounded, fused and polarized outlets.
- Always use ground fault protection where required by electrical code.
- To disconnect heater, turn controls to "OFF" then remove plug from outlet.
- Always disconnect power before performing any cleaning, maintenance or relocation of the heater.
- To prevent a possible fire, do not burn wood or other materials in this heater.
- To prevent electrical shock or fire, always use a certified electrician should new circuits be required.
- When transporting or storing the heater, keep in a dry place free from excess vibration and store to avoid damage.
- Avoid use of an extension cord because an extension cord may overheat and cause a fire. However if you have to use an extension cord, the cord should be No. 14 AWG minimum size and rated to not less than 1875 watts.

WARNING! DO NOT operate fireplace before reading and understanding operating instructions. Failure to operate fireplace according to operating instructions could cause fire or injury.

WARNING! Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. Refer to owner's information manual provided with this heater. For assistance or additional information consult a qualified installer, service agency or your dealer .

NOTICE! This fireplace is not intended for use as a primary heat source and should not be factored as such in residential heating calculations.

SAVE THESE INSTRUCTIONS

Read this manual before installing or operating this appliance.
Please retain this owner's manual for future reference.

B. Congratulations

Congratulations on selecting a SimpliFire Electric Fireplace, an elegant and clean alternative to wood & gas burning fireplaces. The SimpliFire electric fireplace you have selected is designed to provide the utmost in safety, reliability, and efficiency.

As the owner of a new fireplace, you'll want to read and carefully follow all of the instructions contained in this *Owner's Manual*. Pay special attention to all cautions and warnings.

This *Owner's Manual* should be retained for future reference. We suggest that you keep it with your other important documents and product manuals.

The information contained in this *Owner's Manual*, unless noted otherwise, applies to all models and control systems.

Your new SimpliFire electric fireplace will give you years of durable use and trouble-free enjoyment. Welcome to the SimpliFire family of electric fireplace products!

Homeowner Reference Information

We recommend that you record the following pertinent information about your fireplace.

Model Name: _____ Date purchased/installed: _____

Serial Number: _____ Location on fireplace: _____

Dealership purchased from: _____ Dealer Phone: _____

Notes: _____

▲ Safety Alert Key:

- **WARNING!** Indicates a hazardous situation which, if not avoided could result in death or serious injury.
- **CAUTION!** Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

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C. Limited Lifetime Warranty

Hearth & Home Technologies LIMITED LIFETIME WARRANTY

Hearth & Home Technologies, on behalf of its hearth brands ("HHT"), extends the following warranty for HHT gas, wood, pellet, coal and electric hearth appliances that are purchased from an HHT authorized dealer.

WARRANTY COVERAGE:

HHT warrants to the original owner of the HHT appliance at the site of installation, and to any transferee taking ownership of the appliance at the site of installation within one year following the date of original purchase, that the HHT appliance will be free from defects in materials and workmanship at the time of manufacture. After installation, if covered components manufactured by HHT are found to be defective in materials or workmanship during the applicable warranty period, HHT will, at its option, repair or replace the covered components. HHT, at its own discretion, may fully discharge all of its obligations under such warranties by replacing the product itself or refunding the verified purchase price of the product itself. The maximum amount recoverable under this warranty is limited to the purchase price of the product. This warranty is subject to conditions, exclusions and limitations as described below.

WARRANTY PERIOD:

Warranty coverage begins on the date of original purchase. In the case of new home construction, warranty coverage begins on the date of first occupancy of the dwelling or six months after the sale of the product by an independent, authorized HHT dealer/ distributor, whichever occurs earlier. The warranty shall commence no later than 24 months following the date of product shipment from HHT, regardless of the installation or occupancy date.

WARRANTY CONDITIONS:

- This warranty only covers HHT appliances that are purchased through an HHT authorized dealer or distributor. A list of HHT authorized dealers is available on the HHT branded websites.
- Contact your installing dealer for warranty service. If the installing dealer is unable to provide necessary parts, contact the nearest HHT authorized dealer or supplier. Additional service fees may apply if you are seeking warranty service from a dealer other than the dealer from whom you originally purchased the product.
- Check with your dealer in advance for any costs to you when arranging a warranty call. Travel and shipping charges for parts are not covered by this warranty.

WARRANTY EXCLUSIONS:

This warranty does not cover the following:

- Changes in surface finishes as a result of normal use. As a heating appliance, some changes in color of interior and exterior surface finishes may occur. This is not a flaw and is not covered under warranty.
- Damage to printed, plated, or enameled surfaces caused by fingerprints, accidents, misuse, scratches, melted items, or other external sources and residues left on the plated surfaces from the use of abrasive cleaners or polishes.
- Repair or replacement of parts that are subject to normal wear and tear during the warranty period. These parts include: paint, wood, pellet and coal gaskets, firebricks, grates, flame guides, batteries and the discoloration of glass.
- Minor expansion, contraction, or movement of certain parts causing noise. These conditions are normal and complaints related to this noise are not covered by this warranty.
- Damages resulting from: (1) failure to install, operate, or maintain the appliance in accordance with the installation instructions, operating instructions, and listing agent identification label furnished with the appliance; (2) failure to install the appliance in accordance with local building codes; (3) shipping or improper handling; (4) improper operation, abuse, misuse, continued operation with damaged, corroded or failed components, accident, or improperly/ incorrectly performed repairs; (5) environmental conditions, inadequate ventilation, negative pressure, or drafting caused by tightly sealed constructions, insufficient make-up air supply, or handling devices such as exhaust fans or forced air furnaces or other such causes; (6) use of fuels other than those specified in the operating instructions; (7) installation or use of components not supplied with the appliance or any other components not expressly authorized and approved by HHT; (8) modification of the appliance not expressly authorized and approved by HHT in writing; and/or (9) interruptions or fluctuations of electrical power supply to the appliance.
- Non-HHT venting components, hearth components or other accessories used in conjunction with the appliance.
- Any part of a pre-existing fireplace system in which an insert or a decorative gas appliance is installed.
- HHT's obligation under this warranty does not extend to the appliance's capability to heat the desired space. Information is provided to assist the consumer and the dealer in selecting the proper appliance for the application. Consideration must be given to appliance location and configuration, environmental conditions, insulation and air tightness of the structure.

B. Limited Lifetime Warranty (*continued*)

This warranty is void if:

- The appliance is operated in atmospheres contaminated by chlorine, fluorine, or other damaging chemicals.
- The appliance is subjected to prolonged periods of dampness or condensation.
- There is any damage to the appliance or other components due to water or weather damage.

LIMITATIONS OF LIABILITY:

- The owner's exclusive remedy and HHT's sole obligation under this warranty, under any other warranty, express or implied, or in contract, tort or otherwise, shall be limited to replacement, repair, or refund, as specified above. In no event will HHT be liable for any incidental or consequential damages caused by defects in the appliance. Some states do not allow exclusions or limitation of incidental or consequential damages, so these limitations may not apply to you. This warranty gives you specific rights; you may also have other rights, which vary from state to state. EXCEPT TO THE EXTENT PROVIDED BY LAW, HHT MAKES NO EXPRESS WARRANTIES OTHER THAN THE WARRANTY SPECIFIED HEREIN. THE DURATION OF ANY IMPLIED WARRANTY IS LIMITED TO DURATION OF THE EXPRESSED WARRANTY SPECIFIED ABOVE.

2 GENERAL INFORMATION

A. Appliance Certification

MODELS: SF-BI30-E, SF-BI36-E

LABORATORY: CSA International

TYPE: Electric Air-Heaters Fixed and Location-Dedicated
Electric Room Heaters

STANDARD: UL 2021 (2nd Edition) CSA C22.2 No 46-M1988

NOTICE: This installation must conform with local codes.

NOT INTENDED FOR USE AS A PRIMARY HEAT SOURCE.

This appliance is tested and approved as either supplemental room heat or as a decorative appliance. It should not be factored as primary heat in residential heating calculations.

Note: The device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

This equipment uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on. The user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

B. Unpacking and Inspecting Appliance

WARNING! DO NOT use this Electric Fireplace if any part has been under water. Immediately call a qualified service technician to inspect and to replace any part of the electrical system if necessary. Keep plastic wrapping away from children.

- Carefully remove the appliance and components from the packaging. Discard packaging.
- Carefully inspect components for any damage, particularly the condition of the glass.
- Reference parts list to verify all parts have been received.
- Report to your dealer any missing or damaged parts.
- Read all the instructions before starting the installation. Follow these instructions carefully during the installation to ensure maximum safety and benefit.

C. Model and Serial Number Information


The model and serial number information is located on the rating plate. The rating plate is located on the upper wall of the fireplace behind glass front.

ELECTRIC FIREPLACE	
MODEL	SF-BI30-E
VOLTAGE	120V AC
FREQUENCY	60 Hz
AMPERAGE	12.5 A
WATTS	1500 W
SERIAL No.:	


C US
249163

MADE IN CHINA

ELECTRIC FIREPLACE	
MODEL	SF-BI36-E
VOLTAGE	120V AC
FREQUENCY	60 Hz
AMPERAGE	12.5 A
WATTS	1500 W
SERIAL No.:	


C US
249163

MADE IN CHINA

3 GETTING STARTED

A. Parts and Hardware

Parts and Hardware List	
Part	Quantity
Fireplace	1
Instruction Manual	1
Remote Control	1
AAA Battery	2
Mounting Bracket	4
Screw ST4x8	8
Screw ST4x12	8

B. Tools and Supplies Needed

Before beginning the installation be sure that the following tools and building supplies are available.

Tape measure

Pliers

Hammer

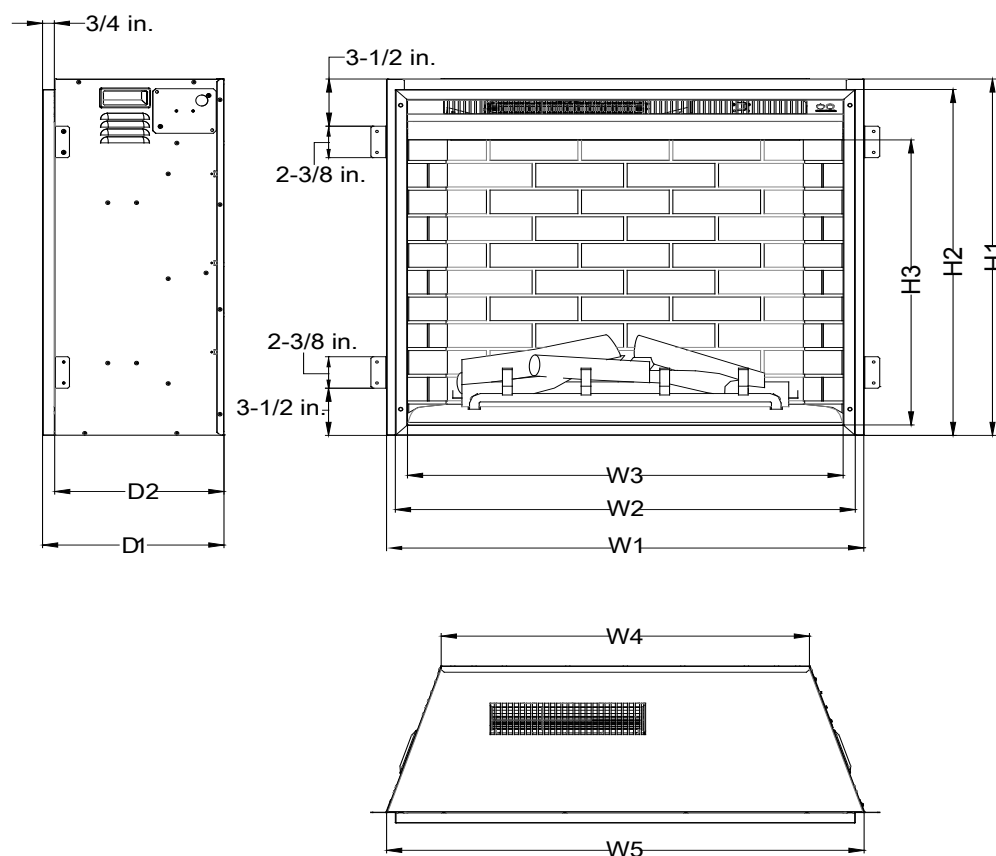
Gloves

Magnetic Phillips screwdriver

Safety glasses

Flat blade screwdriver

C. Appliance Dimensions



units: inches

MODEL	SHELL SIZE			TRIM SIZE		FLAME VIEW		OTHER SIZE		
	W1	H1	D1	W2	H2	W3	H3	D2	W4	W5
SF-BI30-E	31-1/8	26-3/4	11-13/16	29-15/16	26	28-11/32	21-13/32	11	24	31-1/8
SF-BI36-E	37	31-1/4	11-13/16	35-13/16	30-3/8	34-1/4	25-7/8	11	29-7/8	37

When choosing a location for your fireplace ensure that the general rules are followed:

- 9

4 INSTALLATION

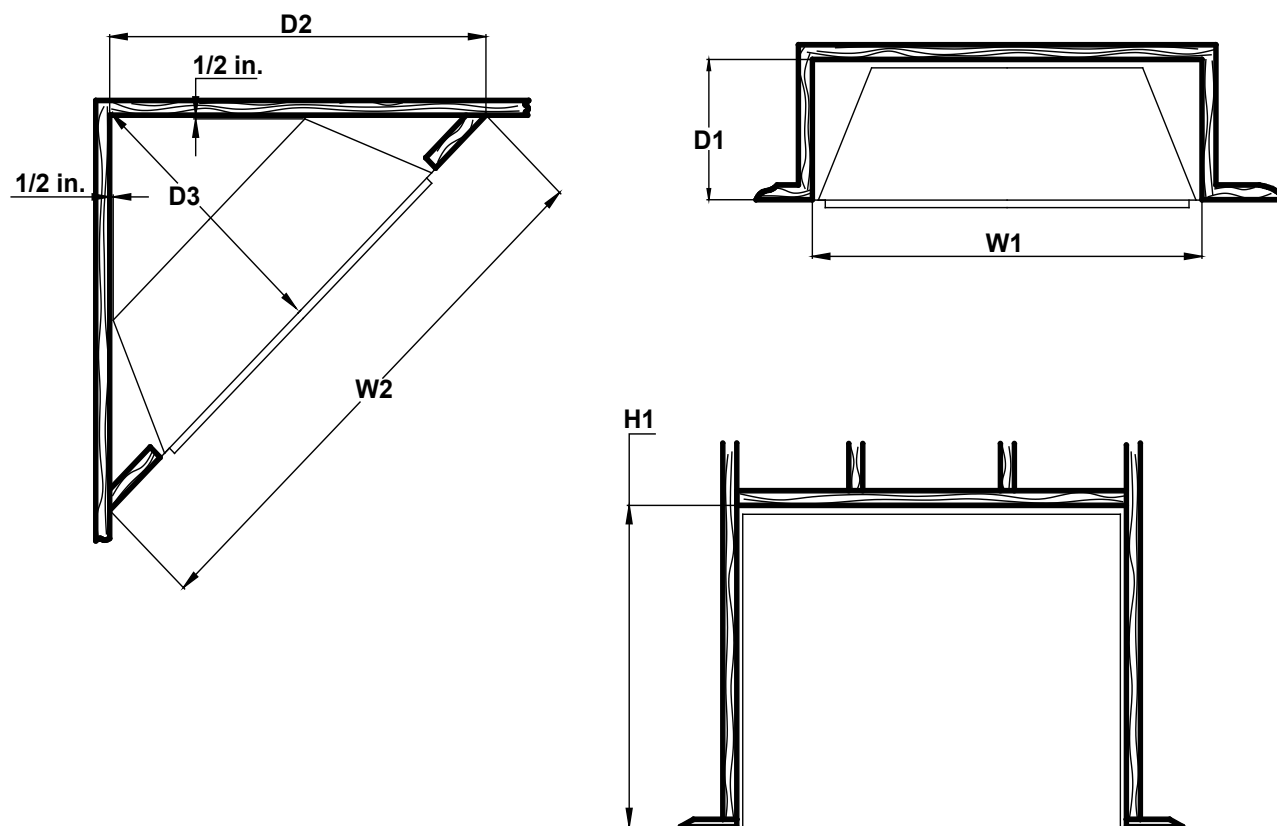
A. Selecting Appliance Location

When selecting a location for the appliance it is important to consider the required clearances to walls (see Figure 4.1).

WARNING! Risk of Fire or Burns! Provide adequate clearance around air openings and for service access. Due to high temperatures, the appliance should be located out of traffic and away from furniture and draperies.

NOTICE: Illustrations reflect typical installations and are FOR DESIGN PURPOSES ONLY. Illustrations/diagrams are not drawn to scale. Actual installation may vary due to individual design preference.

This product can be built into new construction or an existing factory-built fireplace. Reference Sections 4.A - 4.D for specific information for your installation.



MODEL	W1	H1	D1	W2	D2	D3
SF-BI30-E	32	27-1/2	11	47-5/8	33-1/2	23-5/8
SF-BI36-E	37-3/8	35-1/2	11	55	37-3/4	26-1/2

Figure 4.1 Clearance Requirements

B. Installation into Existing Fireplace

1. Seal all drafts with non-fibrous insulation materials to prevent debris or water from falling from the chimney to electric fireplace.
2. Close or seal off the chimney flue and close damper (if applicable) to prevent rain infiltration.
3. Do not install in an existing fireplace that is prone to dampness.
4. A provision must be made for the appliance to be connected to power within existing firebox, or on an adjacent wall.

C. Installation into New Construction

Position the fireplace within the opening in the framing. Level the fireplace with shims if necessary. Attach the fireplace to the framing with the four provided brackets and screws or nails.

D. Constructing the Chase

A chase is a vertical box-like structure built to enclose the electrical appliance. Chases should be constructed in the manner of all outside walls of the home to prevent cold air drafting problems. The chase should not break the outside building envelope in any manner.

Walls, ceiling, base plate and cantilever floor of the chase should be insulated. Vapor and air infiltration barriers should be installed in the chase as per regional codes for the rest of the home. Additionally, in regions where cold air infiltration may be an issue, the inside surfaces may be sheetrocked and taped for maximum air tightness.

E. Electrical Connection

Note: All wiring must be completed prior to finishing the unit.

WARNING! Risk of Fire, Electrical Shock, and Injury! Electrical wiring must comply with local building codes and other applicable regulations.

WARNING! Risk of Shock! Label all wires prior to disconnection when servicing product. Wiring errors can cause improper and dangerous operation. Verify proper operation after servicing.

A 15 AMP, 120 Volt, 60 Hz. circuit with a properly grounded outlet is required. Use minimum size 14 AWG for supply connection to 120 volt, 60 Hz, 15 AMP branch circuit. Use copper wire only. The supply wiring should be properly grounded. A dedicated circuit is recommended as other appliances on the circuit may cause the breaker to trip or fuse to blow when the heater is operating.

1. Remove the screws securing the junction box cover plate on the upper right side of appliance.
2. Pull electrical wires from outside appliance through the 3/4 in. hole in the junction box cover plate.
3. Secure electrical wire to cover plate with Romex stain relief connector (not provided).
4. Connect three wires to the terminal block in the appliance junction box.
5. Ensure all terminal block connections are tight.
6. Replace the cover and retaining screws.
7. All components and wiring may be inspected by removing the top inner panel through the fireplace front opening.

F. Finishing Fireplace Wall

Combustible or non-combustible materials may be used to finish up to the fireplace glass frame. Ensure that you leave adequate room to remove and replace the glass frame. See Figure 4.2

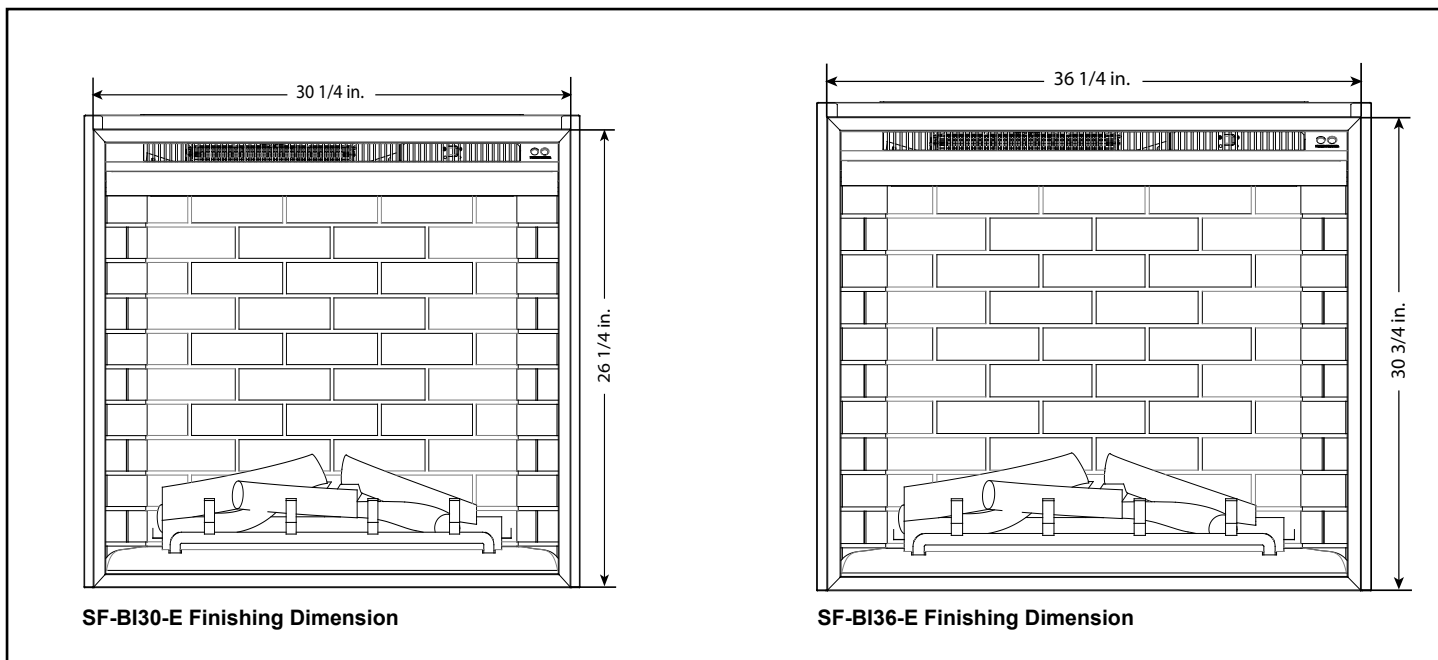


Figure 4.2 Finishing Dimensions

5 OPERATING INSTRUCTIONS

WARNING! Do not operate the unit if it is damaged or has malfunctioned. If you suspect the unit is damaged, call a qualified service technician to inspect and replace any part of the electrical system if necessary.

Note: A harmless slight brief odor may occur during first use or after prolonged period of storage.

A. Manual Switch Function:

The appliance can be operated by both remote control and manual button. Once the unit has been properly connected to a grounded electrical circuit, the unit can be turned ON by pressing the Flame button. In any active Flame mode, the Heater button function is available. If the Flame effect is OFF, there is no Heater button function. See Figure 5.1.

Flame Button

By pressing the FLAME button, the unit will cycle through four flame effects.

Heater Button

- Press the heater button once to turn 750W power on. Appliance will beep and illuminate 1 red LED.
- Press again turns 1500W power on. Appliance will beep and illuminate 2 red LEDs.
- Press third time turns heater off.

NOTE:

There is a brief delay between the heater command and the heating turning ON. When the appliance receives a heater ON command, the appliance blower will turn ON for 8 seconds before the heater turns ON. There is also an 8 second delay between heater off and blower shutdown.

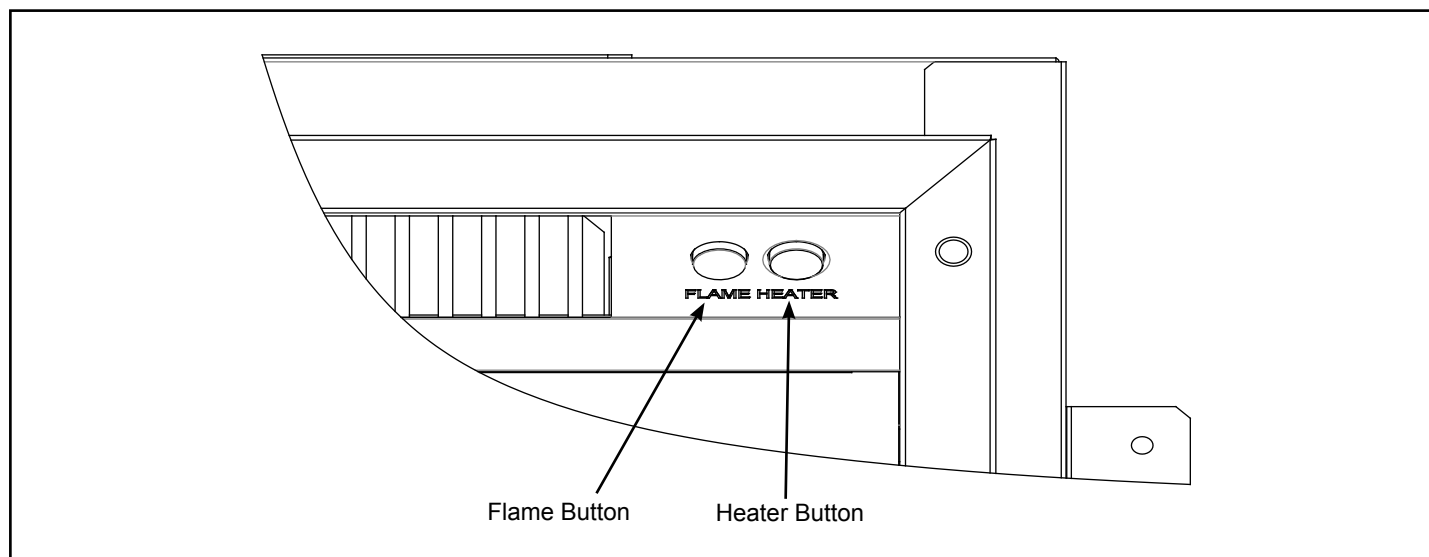


Figure 5.1 Manual Operating Switches

B. Operating by Remote Control








- Make sure batteries are properly installed in Remote Control.
 - Battery requirements 2 x AAA batteries (included)
- The effective range of the remote is up to 13 ft.
- The remote control must be within the 13 ft. range and also be pointed directly at the face of the appliance. For best results, position the remote control within 45 degrees of the face of the appliance

C. Resetting Temperature Cutoff Switch

The heater is protected with a safety device to prevent overheating. Should the heater overheat, an automatic cutoff will turn the heater OFF. It will not turn ON automatically without being reset. If it overheats for any reason, it can be reset by:

- Turn fireplace to off
- Unplug unit and wait 5 minutes
- Plug in and turn on.

CAUTION: If you need to continuously reset the heater, unplug the appliance and call your dealer.

	ICON	TITLE	FUNCTION	REMOTE LCD DISPLAY	FIREPLACE RESPONSE
		POWER	The POWER button will turn the fireplace on. It will also put the fireplace in a standby mode. This will turn off all functions at once but will hold the settings in memory except Heater function. The unit will turn on at the same settings by pressing the power button again.	LCD illuminates and displays flame status Icon and temperature set point.	
		FLAME	By pressing the FLAME button, the unit will cycle through four flame effects.	LCD illuminates and displays flame status icon.	
		HEATER	Press Heater button once 750W heater turns on. Press Heater button twice 1500W turns on, Press Heater button three times, turns off heater.	LCD illuminates and displays heater status icon.	Two light illuminates Three lights illuminates No lights illuminated
		THERMOSTAT	Pressing the Temperature button adjusts the heaters response to the ambient temperature conditions in the room. Temperature adjusts from 16 °C - 28 °C (61 °F - 82 °F). Temperature can be adjusted 1 ° at a time. Hold for 3 seconds and the LCD display from °C to °F.	Remote displays the temperature. If in Stand-by mode, temperature displays but cannot be adjusted.	
		TIMER	Pressing the Timer button sets the time desired for the fireplace to run. The Timer can be set from .5 hour up to 9 hours in 1 hour increments.	Remote will display the time setting selected. If in Stand-by mode time will display but cannot be adjusted.	
		LIGHT	Pressing the Spotlight button will switch the spotlight ON and OFF.	No indicator.	Fireplace will emit one audible beep as it transitions between spotlight ON and OFF states.

6 MAINTENANCE

A. Maintenance

WARNING! Risk of Shock! Always unplug the cord before moving or servicing. Do not immerse heater in water.

- Always turn OFF the heater and disconnect the cord from the electrical outlet before cleaning your heater.
- Light accumulated dust may be removed from the heater with a soft cloth or vacuum cleaner.
- Wipe the exterior surfaces of the heater occasionally with a slightly damp cloth using a solution of mild detergent and water. Dry thoroughly before operating the heater.

CAUTION! Do not allow water to run into the interior of the heater as this could create a fire or electric shock. Always disconnect electrical service before servicing appliance.

- The fan motor is factory lubricated for life and will not require further lubrication.
- Store heater in a clean dry place when not in use.

WARNING! Risk of Fire! To reduce risk of fire, do not store or use gasoline or any other flammable vapors or liquids in the vicinity of the heater.

B. Cleaning

Cleaning Glass

Dust particles can be removed by buffing lightly with a clean dry cloth. Fingerprints and other marks can be cleaned with a cloth dampened with a quality household glass cleaner. The glass should be completely dried with a lint free cloth or paper towel. Do not use abrasive cleaners on glass surface. Do not spray liquids directly onto any surface.

Metal Surface

Dust particles can be removed by buffing lightly with a clean dry cloth. A damp cloth can be used to clean painted surfaces. Do not use abrasive cleaners. Do not spray liquids directly on to any surface,

C. Electrical Wiring Diagram

See Figure 6.1.

D. Servicing

Except for installation and cleaning described in this manual, an authorized service representative should perform any other servicing.

WARNING! Risk of Electrical Shock! Any other servicing needed must be performed by an authorized service representative. Do not attempt to service the unit yourself.

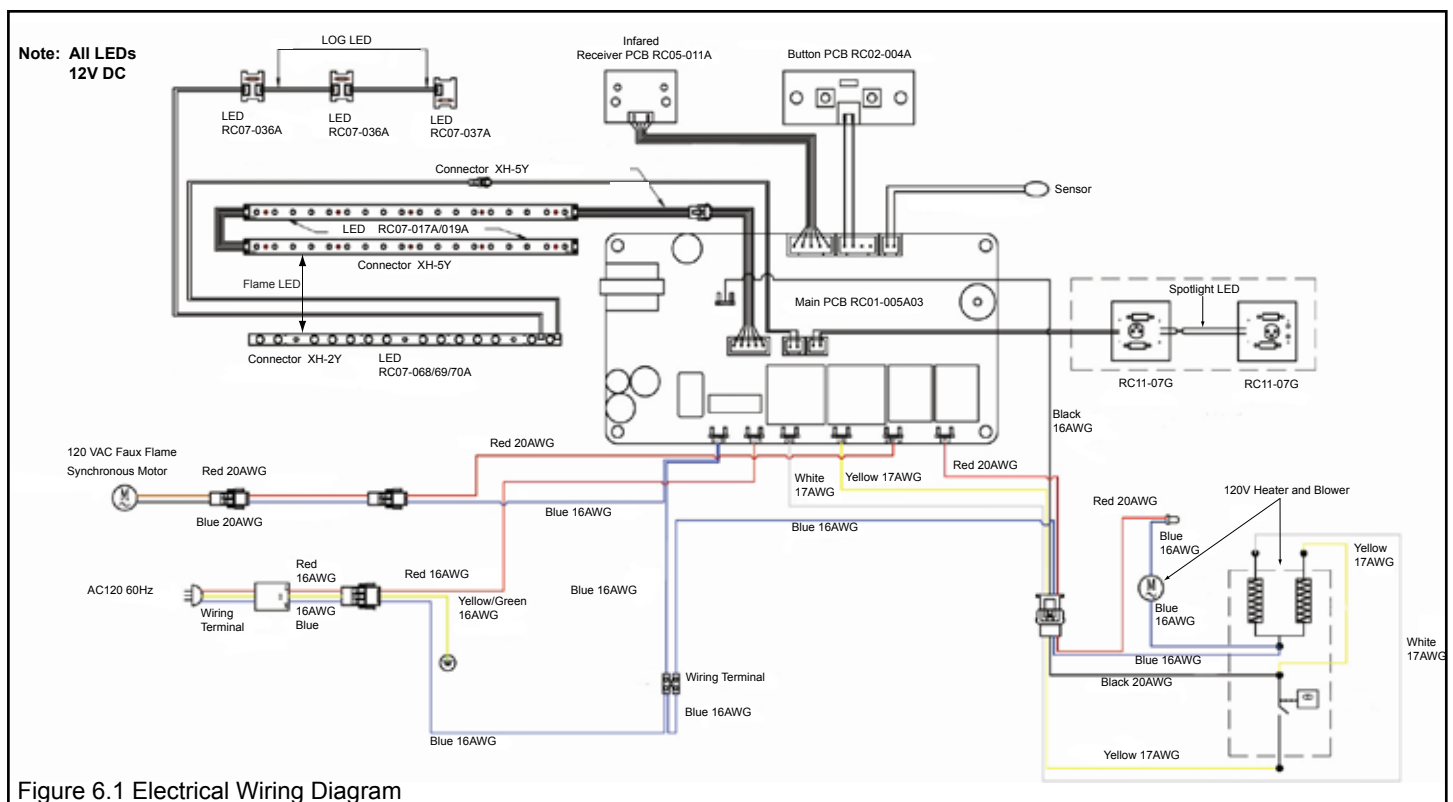


Figure 6.1 Electrical Wiring Diagram



#1 Heater Tray



#2 Rotisserie Motor



#3 LED Strips



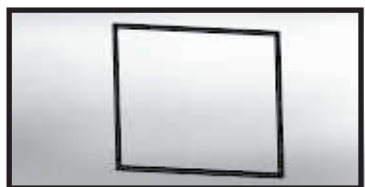
#4 Log/Grate Assembly



#5 Refractory Kit



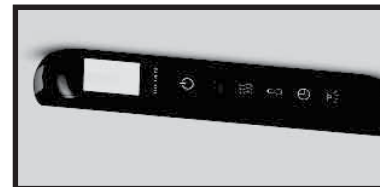
#6 Flame Screen



#7 Front



#8 Glass



#9 Remote

IMPORTANT: THIS IS DATED INFORMATION. When requesting service or replacement parts for your appliance please provide model number and serial number. All parts listed in this manual may be ordered from an authorized dealer.



**Stocked
at Depot**

ITEM	DESCRIPTION	COMMENTS	PART NUMBER	
1	Heater Assembly includes Control Board and Fan		HEATER-BI30	Y
2	Rotisserie Motor, Rod & 3 screws		ROTISSERIE-BI30	Y
3	LED Strips, 3 Strips		LED-BI30	Y
4	Log/Grate Assembly		LOGS-BI30	Y
5	Refractory Kit		REFRACTORY-BI30	Y
6	Flame Screen		FLAME-BI30	Y
7	Front		FRONT-BI30	Y
8	Glass		GLA-BI30	Y
9	Remote		REMOTE-SF-ELEC	Y
	Hardware Bag		HRDW-BI	Y
	Includes: Mounting Brackets, Screw (ST4 x 8), Screws (ST4 x 12)			
	Installation Manual		2040-900	



#1 Heater Tray



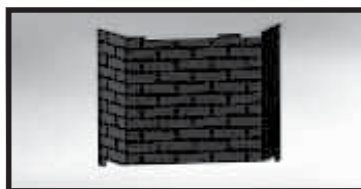
#2 Rotisserie Motor



#3 LED Strips



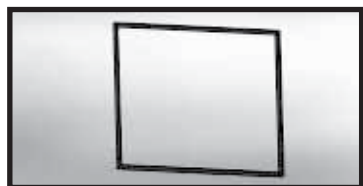
#4 Log/Grate Assembly



#5 Refractory Kit



#6 Flame Screen



#7 Front



#8 Glass



#9 Remote

IMPORTANT: THIS IS DATED INFORMATION. When requesting service or replacement parts for your appliance please provide model number and serial number. All parts listed in this manual may be ordered from an authorized dealer.



**Stocked
at Depot**

ITEM	DESCRIPTION	COMMENTS	PART NUMBER	
1	Heater Assembly		HEATER-BI36	Y
2	Rotisserie Motor, Rod & 3 Screws		ROTISSERIE-BI36	Y
3	LED Strips, 3 Strips		LED-BI36	Y
4	Log/Grate Assembly		LOGS-BI36	Y
5	Refractory Kit		REFRACTORY-BI36	Y
6	Flame Screen		FLAME-BI36	Y
7	Front		FRONT-BI36	Y
8	Glass		GLA-BI36	Y
9	Remote		REMOTE-SF-ELEC	Y
	Hardware Bag		HRDW-BI	Y
	Includes: Mounting Brackets, Screw (ST4 x 8), Screws (ST4 x 12)			
	Installation Manual		2040-900	

F. Replacement Instructions

WARNING! Risk of Shock! Always disconnect power before disassembly or servicing.

Front Replacement

1. If necessary, place a drop cloth or other material on the hearth or flooring to prevent scratching. Grasp front with two hands. Pull straight back to disengage front from appliance.
2. Install replacement front by aligning the tabs on its back side with the spring clips on the face of the appliance. Press evenly with two hands to fully engage the front to the appliance.

Glass Replacement

1. If necessary, place a drop cloth or other material on the hearth or flooring to prevent scratching. Grasp front with two hands. Pull straight back to disengage front from appliance.
2. Locate C-channel that retains top edge of glass panel. While supporting the glass, remove the screw located in the C-channel at the top two corners of the glass panel. See Figure 6.2.
3. Pivot glass away from appliance and lift out of bottom retainer channel.
4. Install replacement glass into bottom retainer channel.
5. Install C-channel on top edge of replacement glass.
6. Align C-channel with screw holes in appliance. See Figure 6.2.
7. While supporting glass, install both screws through top C-channel retainer into appliance.
8. Install front by aligning the tabs on its back side with the spring clips on the face of the appliance. Press evenly with two hands to fully engage the front to the appliance.

Log/Grate Replacement

1. If necessary, place a drop cloth or other material on the hearth or flooring to prevent scratching. Grasp front with two hands. Pull straight back to disengage front from appliance.
2. Locate C-channel that retains top edge of glass panel. While supporting the glass, remove the screw located in the C-channel at the top two corners of the glass panel. See Figure 6.2.
3. Pivot glass away from appliance and lift out of bottom retainer channel.
4. Locate rubber plugs in each end of the grate. Remove plugs with a small flat screwdriver. Save for later use. See Figure 6.3.
5. Remove Phillips screw from each end of grate. Lift grate from faux ember bed. Take care to retain screws with grate. See Figure 6.3.
6. Grasp log ember bed and lift up and out of opening. Rotate ember bed to expose electrical wiring.
7. Disconnect lighting LED power source pin connector from back side of ember bed. See Figure 6.4.
8. Connect lighting LED power source pin connector to back side of replacement ember bed. See Figure 6.4.
9. Rotate log ember bed and align with floor of opening. Engage back side of ember bed into the opening. Pivot the front of the ember bed into position flat on the floor of the opening. Take care not to pinch wiring under log ember bed.
10. Align the grate, with the retained screws, with the steel brackets under the ember bed. Ensure that wiring is not pinched between log ember bed and steel bracket.
11. Install and tighten the screw in each end of the grate. See Figure 6.3.
12. Install rubber plugs into holes in each end of grate. See Figure 6.3.
13. Install glass into bottom retainer channel.
14. Install C-channel on top edge of glass panel. See Figure 6.2.
15. Align C-channel with screw holes in appliance.
16. While supporting glass, install both screws through top C-channel retainer into appliance.
17. Install front by aligning the tabs on its back side with the spring clips on the face of the appliance. Press evenly with two hands to fully engage the front to the appliance.

Flame Screen Replacement

1. If necessary, place a drop cloth or other material on the hearth or flooring to prevent scratching. Grasp front with two hands. Pull straight back to disengage front from appliance.
2. Locate C-channel that retains top edge of glass panel. While supporting the glass, remove the screw located in the C-channel at the top two corners of the glass panel. See Figure 6.2.
3. Pivot glass away from appliance and lift out of bottom retainer channel.
4. Remove four thumb screws and metal angle bracket from upper rear of appliance cavity. See Figure 6.8.
5. Remove four screws from upper face of appliance. Take care to support the Blower/Heater Module while the screws are removed. See Figure 6.9.
6. Remove the Blower/Heater Module by lifting back edge slightly then pulling it straight back from the appliance opening. This will reduce the likelihood of damaging the brick panels.
7. Locate the five electrical connectors on the right side of the appliance cavity. Disconnect each of the five connectors. See Figure 6.10.
8. Locate rubber plugs in each end of the grate. Remove plugs with a small flat screwdriver. Save for later use. See Figure 6.3.
9. Remove Phillips screw from each end of grate. Lift grate from faux ember bed. Take care to retain screws with grate. See Figure 6.3.
10. Grasp log ember bed and lift up and out of opening.
11. If necessary, unplug LED wire harness from back side of ember bed. See Figure 6.4.
12. Fold sheet metal tabs on each side of opening on front edge of refractory panels. See Figure 6.11.
13. Use hand to carefully pry along front edge of refractory panel to disengage it from the appliance. Pull both refractory panels. See Figure 6.11.
14. Remove the one screw that retains the brick panel in the rear appliance cavity. Remove the brick panel from the cavity. See Figure 6.13.
15. Remove the flame screen panel by removing six screws that attach it to the appliance chassis. See Figure 6.14.
16. Install the replacement flame screen panel and attach with six screws. See Figure 6.14.
17. Install the brick panel into the rear of the cavity. Ensure that it is orientated so that the notch is located in the lower right of the cavity. See Figure 6.13.
18. Install side refractory panels. Align tabs on back edge of the panel with the slots in the rear appliance cavity. Once the tabs are engaged, carefully install the front edge of the appliance cavity. Take care to apply even pressure to prevent damage to the replacement panels. See Figure 6.11 & 6.12.
19. Reconnect the five connectors from the Blower/Heater module to the appliance. See Figure 6.10.
20. Carefully align the Blower/Heater module horizontally with the opening of the appliance. Install it straight into the opening so that the back edge interlocks with the back wall of the appliance.
21. While supporting the Blower/Heater Module, install the four screws across the upper face of the appliance. See Figure 6.9.
22. Install the four thumb screws and metal angle bracket in the upper rear of the appliance cavity. See Figure 6.8.
23. If necessary, plug LED wire connection into back side of ember bed. See Figure 6.4.
24. Rotate log ember bed and align with floor of opening. Engage back side of ember bed into the opening. Pivot the front of the ember bed into position flat on the floor of the opening. Take care not to pinch wiring under log ember bed.
25. Align the grate, with the retained screws, with the steel brackets under the ember bed. Ensure that wiring is not pinched between log ember bed and steel bracket.
26. Install and tighten the screw in each end of the grate. See Figure 6.3.
27. Install rubber plugs into holes in each end of grate. See Figure 6.3.
28. Install glass into bottom retainer channel.
29. Install C-channel on top edge of glass panel.
30. Align C-channel with screw holes in appliance. See Figure 6.2.
31. While supporting glass, install both screws through top C-channel retainer into appliance.
32. Install front by aligning the tabs on its back side with the spring clips on the face of the appliance. Press evenly with two hands to fully engage the front to the appliance.

Refractory Replacement

1. If necessary, place a drop cloth or other material on the hearth or flooring to prevent scratching. Grasp front with two hands. Pull straight back to disengage front from appliance.
2. Locate C-channel that retains top edge of glass panel. While supporting the glass, remove the screw located in the C-channel at the top two corners of the glass panel. See Figure 6.2.
3. Pivot glass away from appliance and lift out of bottom retainer channel.
4. Remove four thumb screws and metal angle bracket from upper rear of appliance cavity. See Figure 6.8.
5. Remove four screws from upper face of appliance. Take care to support the Blower/Heater Module while the screws are removed. See Figure 6.9.
6. Remove the Blower/Heater Module by lifting back edge slightly then pulling it straight back from the appliance opening. This will reduce the likelihood of damaging the brick panels.
7. Locate the five electrical connections on the right side of the appliance cavity. Disconnect each of the five connectors. See Figure 6.10.
8. Locate rubber plugs in each end of the grate. Remove plugs with a small flat screwdriver. Save for later use. See Figure 6.3.
9. Remove Phillips screw from each end of grate. Lift from faux ember bed. Take care to retain screws with grate. See Figure 6.3.
10. Grasp log ember bed and lift up and out of opening.
11. Fold sheet metal tabs on each side of opening on front edge of refractory panels. See Figure 6.11.
12. Use hand to carefully pry along front edge of refractory panel to disengage it from the appliance. Remove both refractory panels. See Figure 6.11.
13. Remove the one screw that retain the brick panel in the rear appliance cavity. Remove the brick panel from the cavity. See Figure 6.13.
14. Install the brick panel into the rear of the cavity. Ensure that it is located so that the notch is in the lower right of the cavity. See Figure 6.13.
15. Install replacement refractory panels. Align tabs on back edge of the panel with the slots in the rear appliance cavity. Once the tabs are engaged, carefully install the front edge of the appliance cavity. Take care to apply even pressure to prevent damage to the replacement panels. See Figure 6.11 & 6.12.
16. Reconnect the five connectors from the Blower/Heater module to the appliance. See Figure 6.10.
17. Carefully align the Blower/Heater module horizontally with the opening of the appliance. Install it straight into the opening so that the back edge interlocks with the back wall of the appliance.
18. While supporting the Blower/Heater Module, install the four screws across the upper face of the appliance. See Figure 6.9.
19. Install the four thumb screws and metal angle bracket in the upper rear of the appliance cavity. See Figure 6.8.
20. Rotate log ember bed and align with floor of opening. Engage back side of ember bed into the opening. Pivot the front of the ember bed into position flat on the floor of the opening. Take care not to pinch wiring under log ember bed.
21. Align the grate, with the retained screws, with the steel brackets under the ember bed. Ensure that wiring is not pinched between log ember bed and steel bracket.
22. Install and tighten the screw in each end of the grate. See Figure 6.3.
23. Install rubber plugs into holes in each end of grate. See Figure 6.3.
24. Install glass into bottom retainer channel.
25. Install C-channel on top edge of glass panel.
26. Align C-channel with screw holes in appliance. See Figure 6.2.
27. While supporting glass, install both screws through top C-channel retainer into appliance.
28. Install front by aligning the tabs on its back side with the spring clips on the face of the appliance. Press evenly with two hands to fully engage the front to the appliance.

Lighting LED Replacement

Note: Kit includes all three LED light strip assembly.

1. If necessary, place a drop cloth or other material on the hearth or flooring to prevent scratching. Grasp front with two hands. Pull straight back to disengage front from appliance.
2. Locate C-channel that retains top edge of glass panel. While supporting the glass, remove the screw located in the C-channel at the top two corners of the glass panel. See Figure 6.2.
3. Pivot glass away from appliance and lift out of bottom retainer channel.
4. Remove four thumb screws and metal angle bracket from upper rear of appliance cavity. See Figure 6.8.
5. Remove four screws from upper face of appliance. Take care to support the Blower/Heater Module while the screws are removed. See Figure 6.9.
6. Remove the Blower/Heater Module by lifting back edge slightly then pulling it straight back from the appliance opening. This will reduce the likelihood of damaging the brick panels.
7. Locate the five electrical connections on the right side of the appliance cavity. Disconnect each of the five connectors. See Figure 6.10.
8. Locate rubber plugs in each end of the grate. Remove plugs with a small flat screwdriver. Save for later use. See Figure 6.3
9. Remove Phillips screw from each end of grate. Lift from faux ember bed. Take care to retain screws with grate. See Figure 6.3.
10. Grasp log ember bed and lift up and out of opening.
11. Fold sheet metal tabs on each side of opening on front edge of refractory panels. See Figure 6.11.
12. Use hand to carefully pry along front edge of refractory panel to disengage it from the appliance. Remove both refractory panels. See Figure 6.11.
13. Remove the one screw that retains the brick panel in the rear appliance cavity. Remove the brick panel from the cavity. See Figure 6.13.
14. Remove metal bracket in front of rear LED strip. Remove four screws to remove metal parts. See Figure 6.5.
15. Locate Lighting LED circuit input power source connectors in rear of opening. Unplug all three connectors from the three circuit boards. See Figure 6.7.
16. Using a pliers, compress each barbed clip along the circuit board while lifting the board evenly to disengage it from the clip. See Figure 6.6.
17. Remove all three lighting LED circuit boards.
18. Install replacement lighting LED circuit boards into the appliance. Fully engage each barbed clip. See Figure 6.6.
19. Connect all three lighting LED power source connectors to the three LED circuit boards. See Figure 6.7.
20. Install metal brackets by attaching with four screws. See Figure 6.5.
21. Install the brick panel into the rear of the cavity. Ensure that it is located so that the notch is in the lower right of the cavity. See Figure 6.13.
22. Install replacement refractory panels. Align tabs on back edge of the panel with the slots in the rear appliance cavity. Once the tabs are engaged, carefully install the front edge of the appliance cavity. Take care to apply even pressure to prevent damage to the replacement panels. See Figure 6.11 & 6.12.
23. Reconnect the five connectors from the Blower/Heater module to the appliance. See Figure 6.10.
24. Carefully align the Blower/Heater module horizontally with the opening of the appliance. Install it straight into the opening so that the back edge interlocks with the back wall of the appliance.
25. While supporting the Blower/Heater Module, install the four screws across the upper face of the appliance. See Figure 6.9.
26. Install the four thumb screws and metal angle bracket in the upper rear of the appliance cavity. See Figure 6.8.
25. Rotate log ember bed and align with floor of opening. Engage back side of ember bed into the opening. Pivot the front of the ember bed into position flat on the floor of the opening. Take care not to pinch wiring under log ember bed.
27. Align the grate, with the retained screws, with the steel brackets under the ember bed. Ensure that wiring is not pinched between log ember bed and steel bracket.
28. Install and tighten the screw in each end of the grate. See Figure 6.3.
29. Install rubber plugs into holes in each end of grate. See Figure 6.3.
30. Install glass into bottom retainer channel.
31. Install C-channel on top edge of glass panel.
32. Align C-channel with screw holes in appliance. See Figure 6.2.
33. While supporting glass, install both screws through top C-channel retainer into appliance.
34. Install front by aligning the tabs on its back side with the spring clips on the face of the appliance. Press evenly with two hands to fully engage the front to the appliance.

Blower/Heating Module Replacement

1. If necessary, place a drop cloth or other material on the hearth or flooring to prevent scratching. Grasp front with two hands. Pull straight back to disengage front from appliance.
2. Locate C-channel that retains top edge of glass panel. While supporting the glass, remove the screw located in the C-channel at the top two corners of the glass panel. See Figure 6.2
3. Pivot glass away from appliance and lift out of bottom retainer channel.
4. Remove four thumb screws and metal angle bracket from upper rear of appliance cavity. See Figure 6.8.
5. Remove four screws from upper face of appliance. Take care to support the Blower/Heater Module while the screws are removed. See Figure 6.9.
6. Remove the Blower/Heater Module by lifting back edge slightly then pulling it straight back from the appliance opening. This will reduce the likelihood of damaging the brick panels.
7. Locate the five electrical connectors on the right side of the appliance cavity. Disconnect each of the five connectors. See Figure 6.10.
8. Reconnect the five connectors from the replacement Blower/Heater module to the appliance. See Figure 6.10.
9. Carefully align the Blower/Heater module horizontally with the opening of the appliance. Install it straight into the opening so that the back edge interlocks with the back wall of the appliance.
10. While supporting the Blower/Heater Module, install the four screws across the upper face of the appliance. See Figure 6.9.
11. Install the four thumb screws and angle metal bracket in the upper rear of the appliance cavity. See Figure 6.8.
12. Install glass into bottom retainer channel.
13. Install C-channel on top edge of glass panel.
14. Align C-channel with screw holes in appliance.
15. While supporting glass, install both screws through top C-channel retainer into appliance. See Figure 6.2.
16. Install front by aligning the tabs on its back side with the spring clips on the face of the appliance. Press evenly with two hands to fully engage the front to the appliance.

Faux Flame Motor/Rod Kit

1. If necessary, place a drop cloth or other material on the hearth or flooring to prevent scratching. Grasp front with two hands. Pull straight back to disengage front from appliance.
2. Locate C-channel that retains top edge of glass panel. While supporting the glass, remove the screw located in the C-channel at the top two corners of the glass panel. See Figure 6.2
3. Pivot glass away from appliance and lift out of bottom retainer channel.
4. Remove four thumb screws and metal angle bracket from upper rear of appliance cavity. See Figure 6.8.
5. Remove four screws from upper face of appliance. Take care to support the Blower/Heater Module while the screws are removed. See Figure 6.9.
6. Remove the Blower/Heater Module by lifting back edge slightly and pulling it straight back from the appliance opening. This will reduce the likelihood of damaging the brick panels.
7. Locate the five electrical connectors on the right side of the appliance cavity. Disconnect each of the five connectors. See Figure 6.10.
8. Locate rubber plugs in each end of the grate. Remove plugs with a small flat screwdriver. Save for later use. See Figure 6.3.
9. Remove Phillips screw from each end of grate. Lift grate from faux ember bed. Take care to retain screws with grate. See Figure 6.3.
10. Grasp log ember bed and lift up and out of opening.
11. Fold sheet metal tabs on each side of opening on front edge of refractory panels. See Figure 6.11.
12. Use hand to carefully pry along front edge of refractory panel to disengage it from the appliance. Pull both refractory panels. See Figure 6.11.
13. Remove the one screw that retains the brick panel in the rear appliance cavity. Remove the brick panel from the cavity. See Figure 6.13.
14. Remove the flame screen panel by removing six screws that attach it to the appliance chassis. See Figure 6.14.
15. Disengage faux flame rod from motor located in right rear of cavity. Use hand shift the reflector rod to the left until the rubber coupler on the right end disengages from the motor shaft. See Figure 6.15.
16. Remove metal bracket in right side of cavity to allow access to the faux flame motor and wiring connections. Remove three screws to remove panel. See Figure 6.16.

17. Remove three screws that attach motor mount bracket to the appliance chassis. See Figure 6.17.
18. Remove the motor and bracket from the chassis until the electrical connector is visible. See Figure 6.18.
19. Disconnect the electrical connector to the motor. See Figure 6.18.
20. Install the replacement motor on the bracket.
21. Reconnect the electrical connector between the motor and the appliance. See Figure 6.18.
22. Install the motor mount bracket to the chassis with three screws. See Figure 6.17.
23. Install the replacement reflector rod. Install the left end of the rod into the bushing in the left rear of the cavity. Align the rubber coupler with the motor shaft. Shift the rod to the right until the rubber coupler fully engages the motor shift. See Figure 6.15.
24. Reinstall metal bracket in front of faux motor. Install three screws to fasten the panel. See Figure 6.16.
25. Install the flame screen panel and attach with six screws. See Figure 6.14.
26. Install the brick panel into the rear of the cavity by attaching with one screw. See Figure 6.13.
27. Install refractory panels. Align tabs on back edge of the panel with the slots in the rear appliance cavity. Once the tabs are engaged, carefully install the front edge of the appliance cavity. Take care to apply even pressure to prevent damage to the replacement panels. Fold sheet metal tabs on each side of front edge of opening to secure front edge of refractory. See Figure 6.11 & 6.12.
28. Reconnect the five connectors from the Blower/Heater module to the appliance. See Figure 6.10.
29. Carefully align the Blower/Heater module horizontally with the opening of the appliance. Install it straight into the opening so that the back edge interlocks with the back wall of the appliance.
30. While supporting the Blower/Heater Module, install the four screws across the upper face of the appliance. See Figure 6.9.
31. Install the four thumb screws and metal angle bracket in the upper rear of the appliance cavity. See Figure 6.8.
32. Rotate log ember bed and align with floor of opening. Engage back side of ember bed into the opening. Pivot the front of the ember bed into position flat on the floor of the opening. Take care not to pinch wiring under log ember bed.
33. Align the grate, with the retained screws, with the steel brackets under the ember bed. Ensure that wiring is not pinched between log ember bed and steel bracket.
34. Install and tighten the screw in each end of the grate. See Figure 6.3.
35. Install rubber plugs into holes in each end of grate. See Figure 6.3.
36. Install glass into bottom retainer channel.
37. Install C-channel on top edge of glass panel.
38. Align C-channel with screw holes in appliance. See Figure 6.2.
39. While supporting glass, install both screws through top C-channel retainer into appliance.
40. Install front by aligning the tabs on its back side with the spring clips on the face of the appliance. Press evenly with two hands to fully engage the front to the appliance.



Figure 6.2 Top Glass Retainer Screw Location



Figure 6.3 Grate and Log Screw Location



Figure 6.6 Barbed Clip Access during LED Circuit Board Replacement

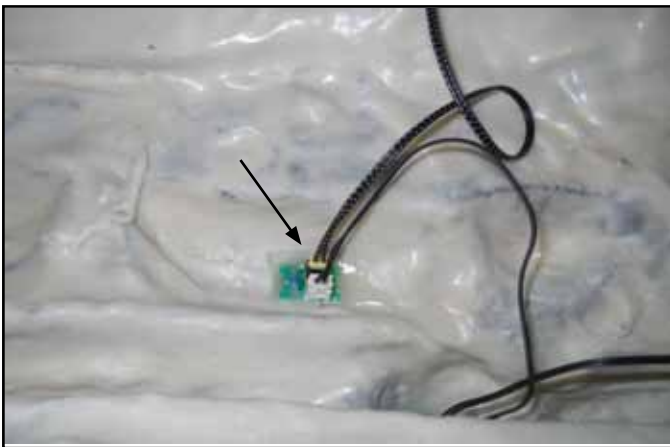


Figure 6.4 Light LED Connection on Bottom of Log Ember Bed



Figure 6.7 Light LED Circuit Power Source Connectors

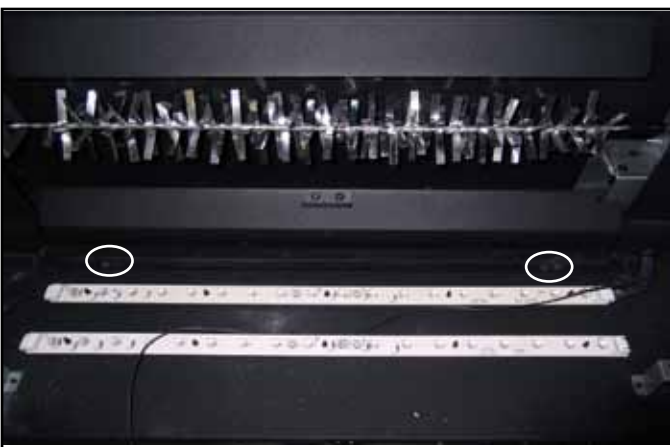


Figure 6.5 Removal and installation of LED access panel

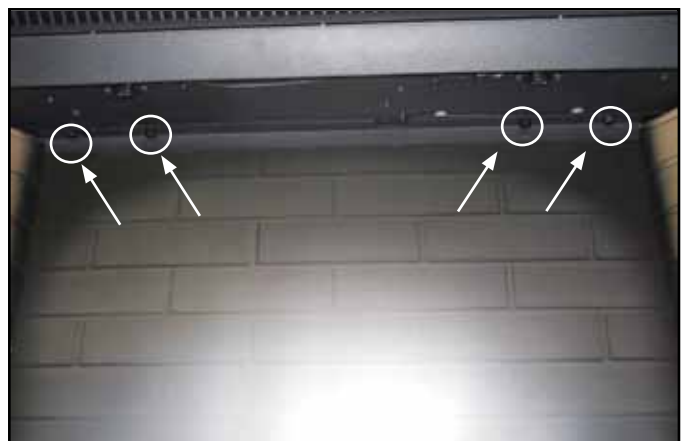


Figure 6.8 Four Thumb Screws located in Upper Rear of Appliance Cavity

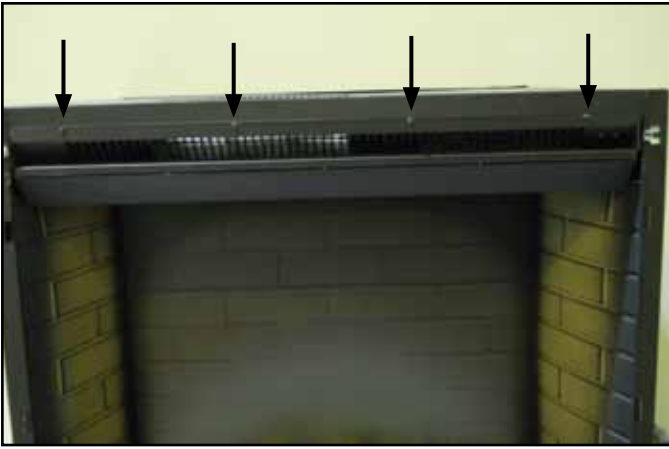


Figure 6.9 Four Screws that attach Blower/Heater Module to Upper Face of Appliance



Figure 6.12 Alignment of Tabs in Rear Edge of Refractory with Slots in Appliance

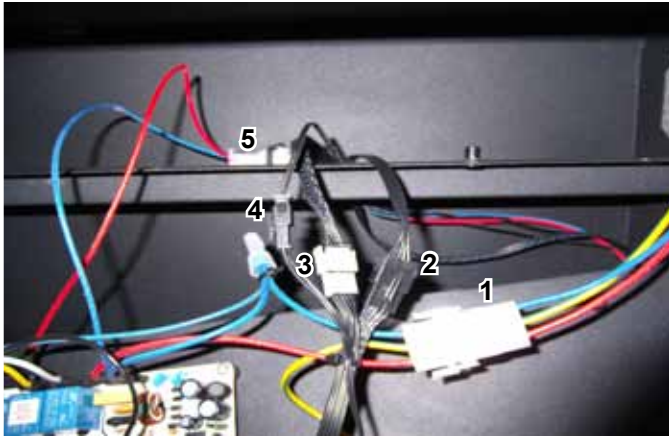


Figure 6.10 Five Electrical Connections required for Heater/Blower Module Removal and Installation



Figure 6.13 Location of one screw that retain Brick Panel to Rear Wall of Appliance

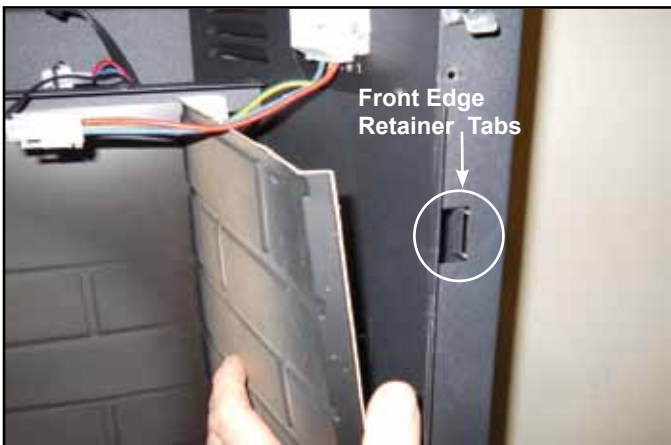


Figure 6.11 Removal of Front Edge of Refractory from Appliance Cavity

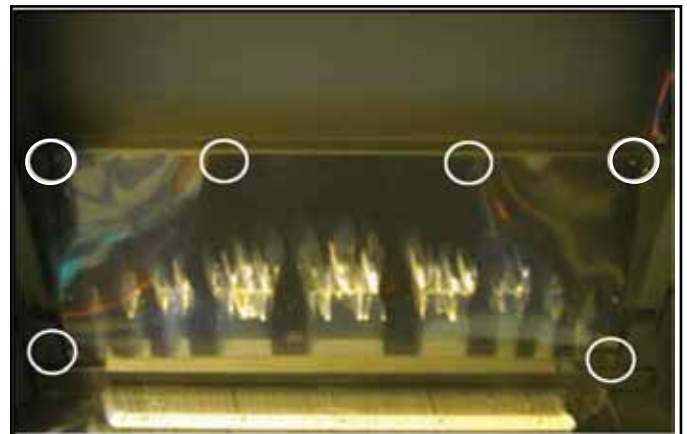


Figure 6.14 Location of four Screw Fasteners that attach Flame Screen to Chassis



Figure 6.15 Removal and Installation of Reflector Rod Coupler to Motor Shaft



Figure 6.17 Location of three Screws that attach Motor Mount Bracket to Appliance



Figure 6.16 Removal and installation of faux flame access panel.



Figure 6.18 Electrical Connection required for replacement for the Faux Flame Motor.

G. Contact Information



SimpliFire, a brand of Hearth & Home Technologies Inc.
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www.hearthnhome.com

Please contact your SimpliFire dealer with any questions or concerns.
For the location of your nearest SimpliFire dealer,
please visit www.hearthnhome.com.

- NOTES -

NOTICE



DO NOT DISCARD THIS MANUAL

- Important operating and maintenance instructions included.
- Read, understand and follow these instructions for safe installation and operation.
- Leave this manual with party responsible for use and operation.

